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ABSTRACT

This document is a collection of some of the chemistry activities used in the Teaching Science with TOYS professional development program for teachers. The TOYS activities have been compiled into this document as a resource for teachers who want to use toy-based physical science activities in the classroom. The activities do not assume any particular prior knowledge of physical science and complete activity explanations are included. Three main sections of the book are: introductory material, toy-based chemistry activities, and the appendices containing activities indexed by key process skills and topics, and an alphabetical listing of activities. The activities are divided into three grade-level groupings: K-3, 4-6, and 7-9 and each activity contains the following sections: key science topics, student background, key process skills, time required, materials, safety and disposal, getting ready, procedure, variations and extensions, explanation, cross-curricular integrations, further reading, contributors, and handout master. (MKR)

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